Declassified and Approved For Release 2012/04/06: CIA-RDP82-00039R000100020092-8

REVISTRE TEHNICE AGIR
Vol.II, No.5, September -October 1948

Some technical problems of oil well drilling.

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Several aspects what of the problems caused by the increasing depth of oil wells are discussed.

These problems include: The computation of rods under their own weight (formula 1), the torsion moment of rods under tension and rotation stress (formula 2), the lining required to keep up the well, the diameter of the well in relation 55 the diameter of the column and the length of the shaft without pipes (formula 2), the resistance of the column under biaxial stress of the exterior pressure and its own weight (formula 5) and drilling equipment capable of withstanding the weight of the rods and of the columns at constantly increasing depths. Formula 6 is a formula obtained by chronometric measurement for determining the length of time of the indireduction and removal operations of the rod assemblies

Special attention has been given to the resistance of the columns. The computations for tubings of 5 3/4 \*, 7\*, and 8 5/8\* are shown in diagrams for a safety factor of 1.7 in said ground, and 1.5 in less solid ground. For reinferced communs these factors can be reduced to 1.5 and 1.3 respectively.